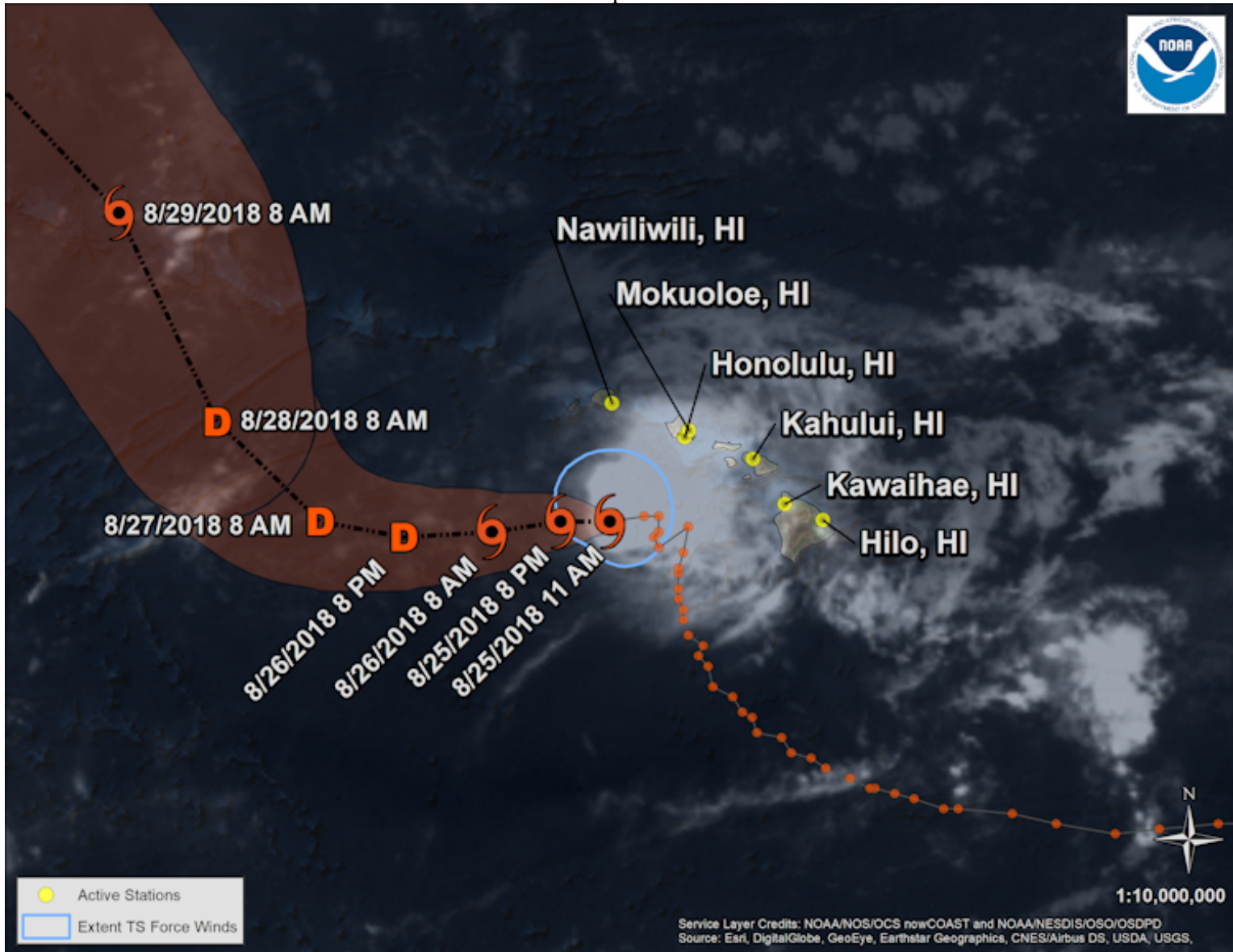




Tropical Storm Lane QuickLook

Posted: 12:00 HST 08/25/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/25/2018 12:00 HST water levels across the Hawaiian Islands remain elevated above normal tide levels. Water levels range between 0.2 and 0.7 feet above tidal predictions.

Winds range between 5 and 15 kts with gusts up to 20 knots and barometric pressure is increasing around the islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: RCL

Select Central Pacific Hurricane Center Advisory Information:

Tropical Storm Lane Advisory Number 46
NWS Central Pacific Hurricane Center Honolulu HI
1100 AM HST Sat Aug 25 2018

...LANE NOW MOVING TOWARD THE WEST AND WILL PASS SOUTH OF THE
WESTERN HAWAIIAN ISLANDS...

SUMMARY OF 1100 AM HST...2100 UTC...INFORMATION

LOCATION...19.7N 159.4W
ABOUT 145 MI...235 KM SW OF HONOLULU HAWAII
ABOUT 160 MI...255 KM S OF LIHUE HAWAII
MAXIMUM SUSTAINED WINDS...50 MPH...85 KM/H
PRESENT MOVEMENT...W OR 280 DEGREES AT 7 MPH...11 KM/H
MINIMUM CENTRAL PRESSURE...997 MB...29.44 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been discontinued for Oahu and Maui County.

The Tropical Storm Watch has been discontinued for Kauai County.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

There are no coastal watches or warnings in effect.

Interests in the Northwestern Hawaiian Islands should monitor the progress of Tropical Storm Lane.

DISCUSSION AND OUTLOOK

At 1100 AM HST (2100 UTC), the center of Tropical Storm Lane was located near latitude 19.7 North, longitude 159.4 West. Lane is moving toward the west near 7 mph (11 km/h) and this motion is expected to continue this afternoon through Monday with an increase in forward speed. On the forecast track, Lane is expected to pass about 150 miles south of Kauai later today.

Maximum sustained winds are near 50 mph (85 km/h) with higher gusts. Some weakening is forecast during the next 48 hours.

Tropical-storm-force winds extend outward up to 100 miles (155 km) from the center.

The estimated minimum central pressure is 997 mb (29.44 inches).

HAZARDS AFFECTING LAND

RAINFALL: Lingering moisture associated with Tropical Storm Lane will produce excessive rainfall this weekend, which could lead to additional flash flooding and landslides. Lane is expected to produce additional rain accumulations of 5 to 10 inches across windward Big Island and Maui and 3 to 5 inches elsewhere. Localized storm total amounts well in excess of 40 inches have already been observed along the windward side of the Big Island.

SURF: High surf is expected along exposed south and east shorelines of the main Hawaiian Islands today.

NEXT ADVISORY

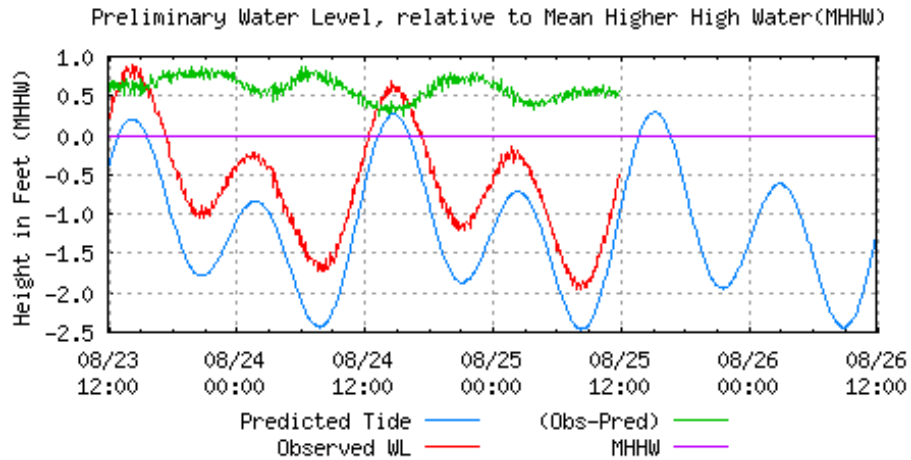
Next complete advisory at 500 PM HST.

Forecaster Burke

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



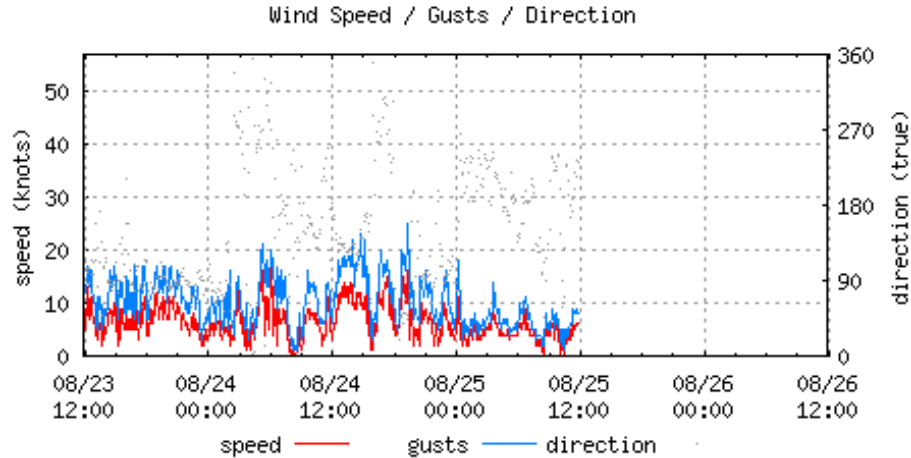
Last Observed Sample: 08/25/2018 11:54 (HST). Data relative to MHHW

Observed: -0.40 ft. Predicted: -0.98 ft. Residual: 0.58 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 08/25/2018 15:08 (HST), 0.29 ft.

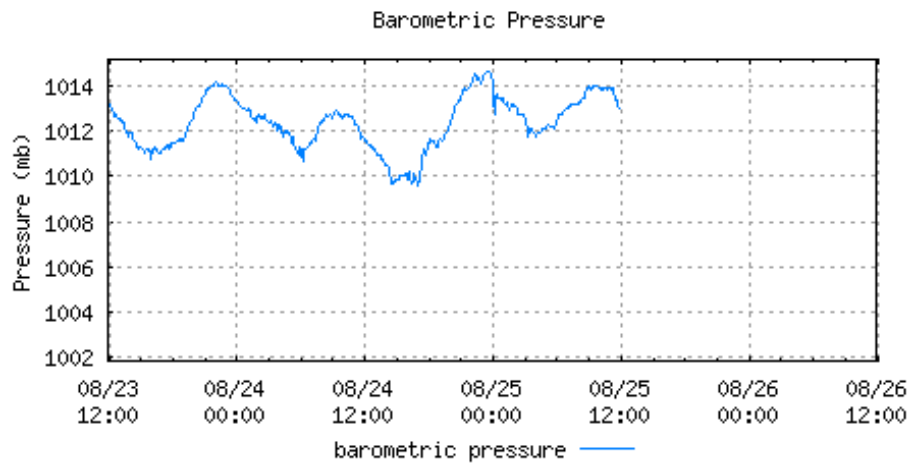
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/25/2018 11:54 (HST)

Wind Speed: 7 knots Gusts: 9 knots Direction: 232° T

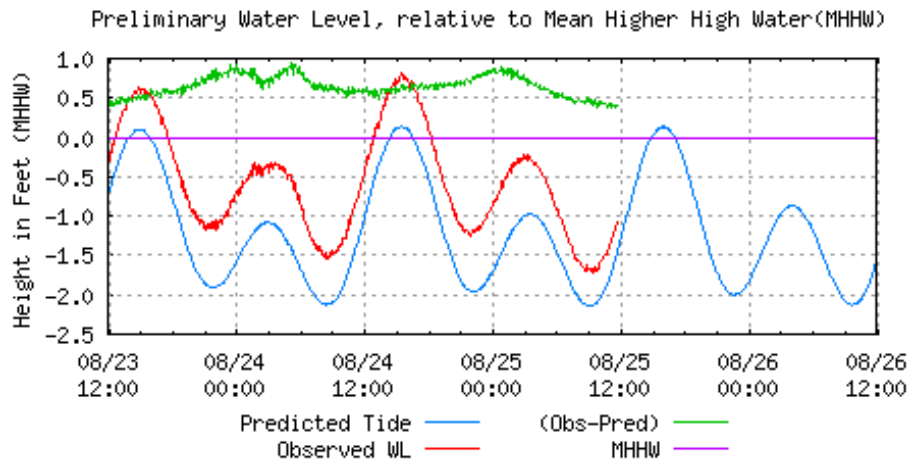
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/25/2018 11:54 (HST)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



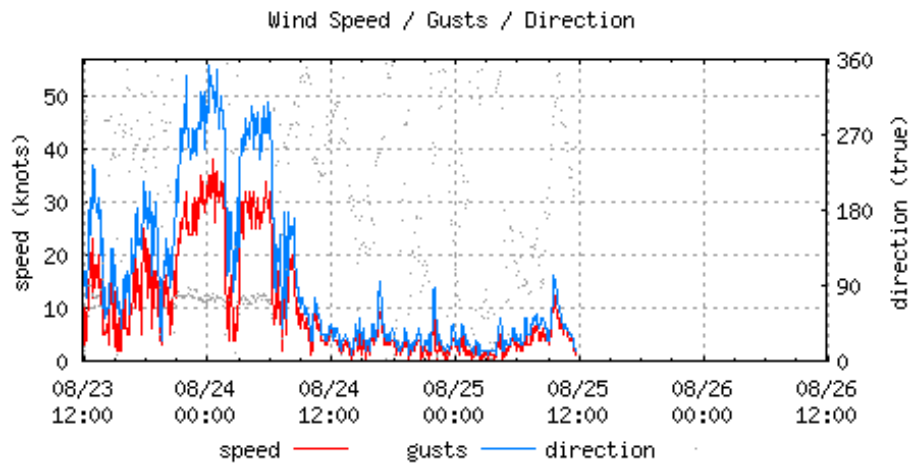
Last Observed Sample: 08/25/2018 11:42 (HST). Data relative to MHHW

Observed: -1.03 ft. Predicted: -1.44 ft. Residual: 0.41 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 08/25/2018 15:55 (HST), 0.14 ft.

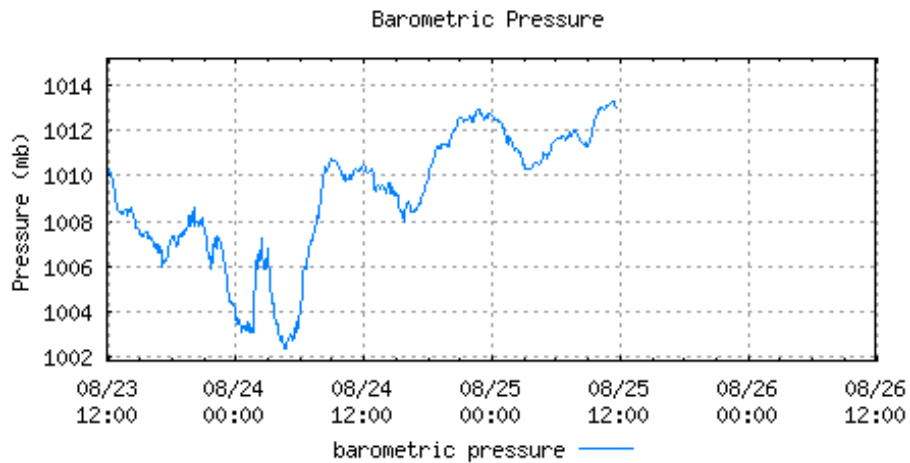
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/25/2018 11:42 (HST)

Wind Speed: 1 knots Gusts: 1 knots Direction: 214° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

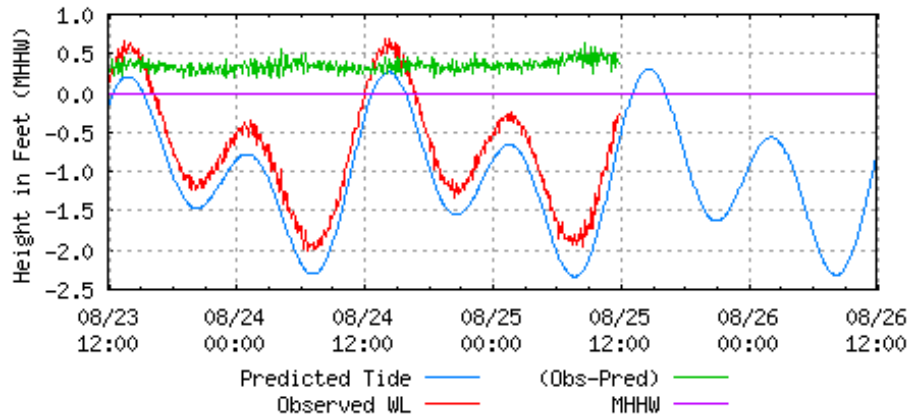


Last Observed Sample: 08/25/2018 11:42 (HST)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/25/2018 11:54 (HST). Data relative to MHHW

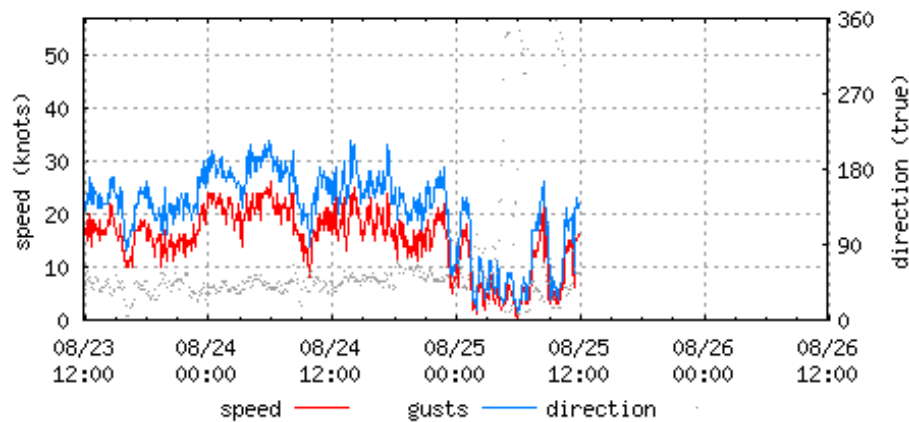
Observed: -0.14 ft. Predicted: -0.57 ft. Residual: 0.43 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 08/25/2018 14:36 (HST), 0.30 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

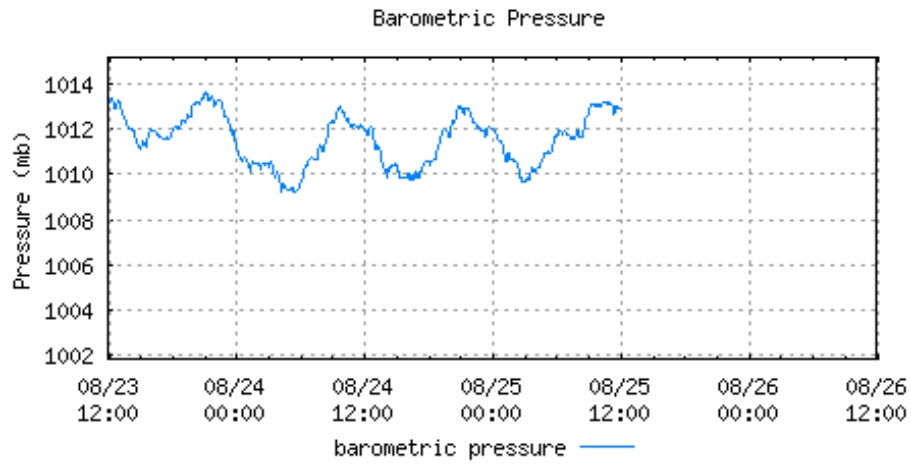
Wind Speed / Gusts / Direction



Last Observed Sample: 08/25/2018 11:54 (HST)

Wind Speed: 15 knots Gusts: 21 knots Direction: 54° T

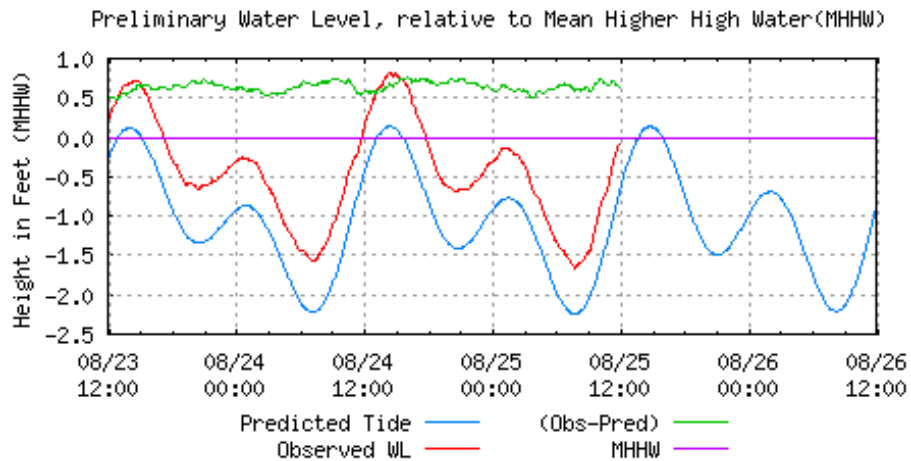
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 08/25/2018 11:54 (HST)

Barometric Pressure: 1012.9 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



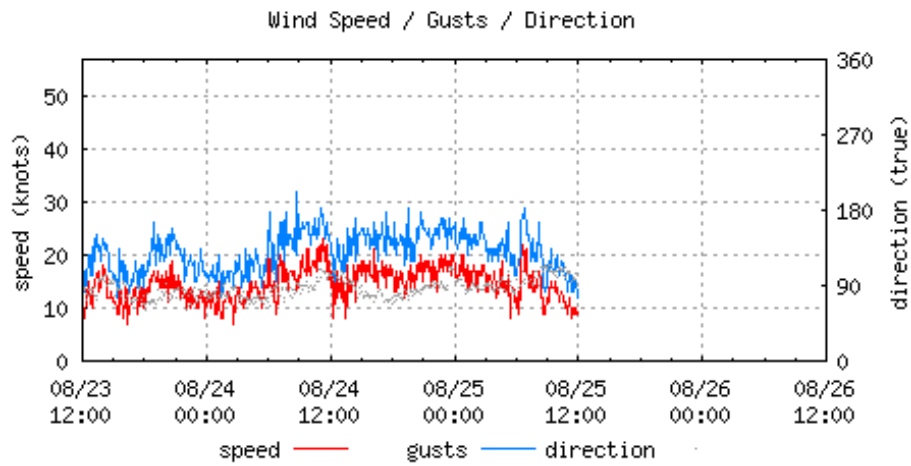
Last Observed Sample: 08/25/2018 11:54 (HST). Data relative to MHHW

Observed: -0.07 ft. Predicted: -0.68 ft. Residual: 0.61 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 08/25/2018 14:43 (HST), 0.14 ft.

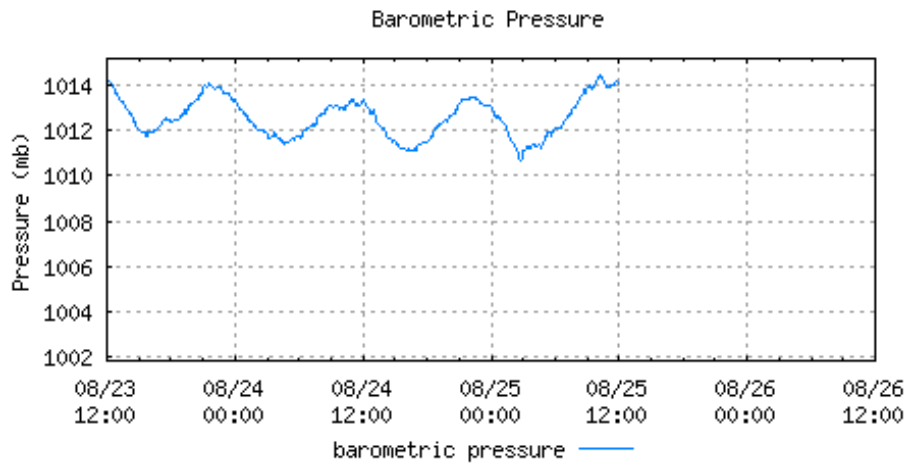
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/25/2018 11:54 (HST)

Wind Speed: 9 knots Gusts: 12 knots Direction: 102° T

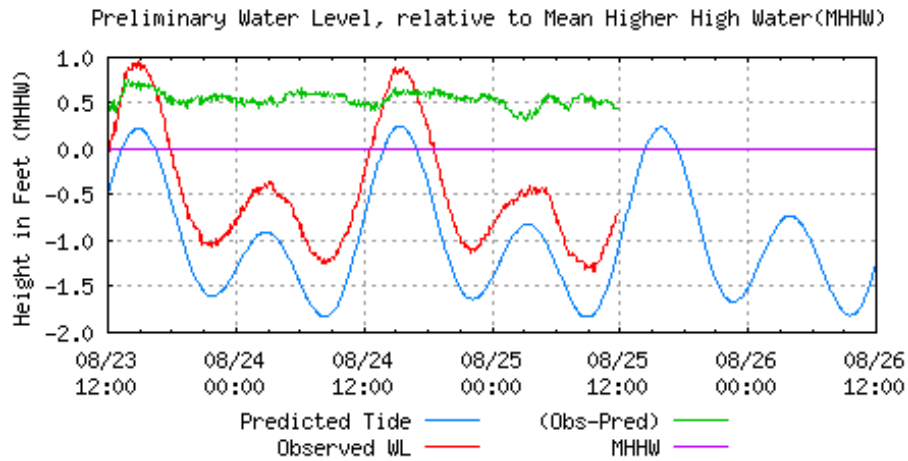
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/25/2018 11:54 (HST)

Barometric Pressure: 1014.1 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



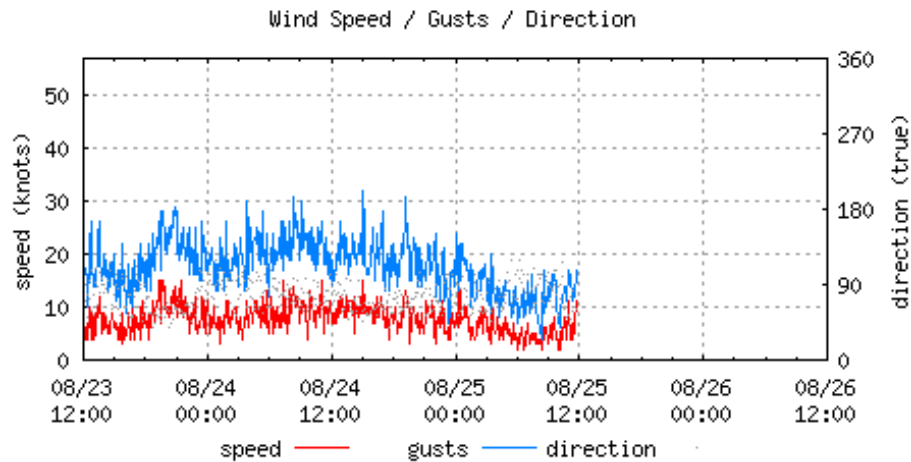
Last Observed Sample: 08/25/2018 11:42 (HST). Data relative to MHHW

Observed: -0.71 ft. Predicted: -1.15 ft. Residual: 0.44 ft.

Historical Maximum Water Level: Sep 11 1992, 1.47 ft.

Next High Tide: 08/25/2018 15:52 (HST), 0.24 ft.

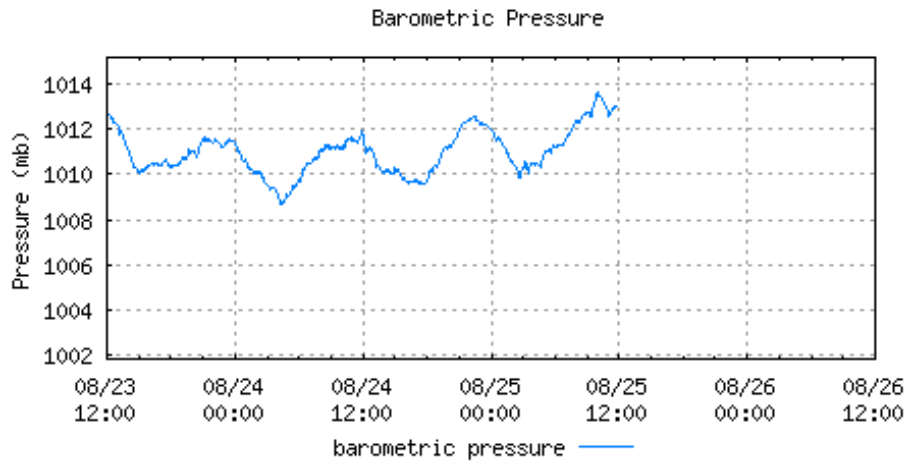
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/25/2018 11:42 (HST)

Wind Speed: 11 knots Gusts: 17 knots Direction: 61° T

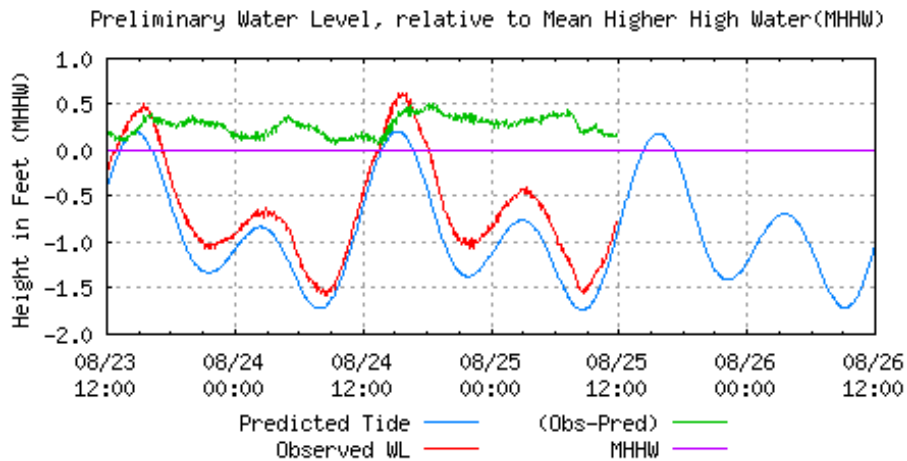
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/25/2018 11:42 (HST)

Barometric Pressure: 1013.0 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



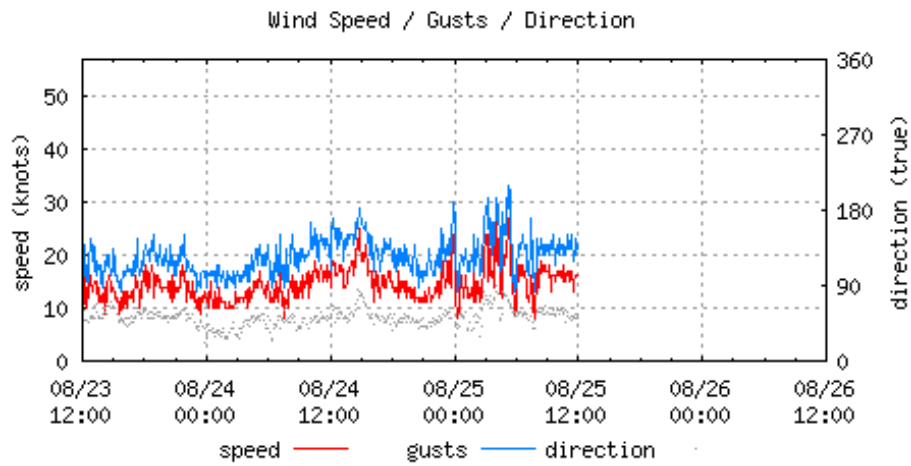
Last Observed Sample: 08/25/2018 11:54 (HST). Data relative to MHHW

Observed: -0.77 ft. Predicted: -0.92 ft. Residual: 0.15 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/25/2018 15:41 (HST), 0.18 ft.

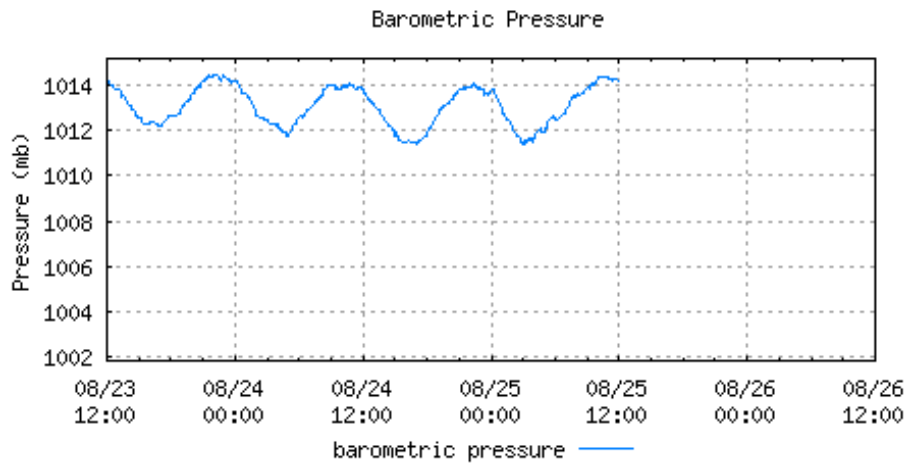
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/25/2018 11:54 (HST)

Wind Speed: 16 knots Gusts: 22 knots Direction: 52° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/25/2018 11:54 (HST)

Barometric Pressure: 1014.2 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/25/2018 11:54 (HST)	-0.40 ft	-0.98 ft	0.58 ft	0.69 ft
1617433	Kawaihae, HI	08/25/2018 11:42 (HST)	-1.03 ft	-1.44 ft	0.41 ft	0.81 ft
1615680	Kahului, Kahului Harbor, HI	08/25/2018 11:54 (HST)	-0.14 ft	-0.57 ft	0.43 ft	0.70 ft
1612480	Mokuoloe, HI	08/25/2018 11:54 (HST)	-0.07 ft	-0.68 ft	0.61 ft	0.82 ft
1612340	Honolulu, HI	08/25/2018 11:42 (HST)	-0.71 ft	-1.15 ft	0.44 ft	0.90 ft
1611400	Nawiliwili, HI	08/25/2018 11:54 (HST)	-0.77 ft	-0.92 ft	0.15 ft	0.63 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce